

Title (en)

Multi-receiver cartridge transport system

Title (de)

Kassetten transports system mit einem Vielfachempfänger

Title (fr)

Système de transport de cassettes avec récepteur multiple

Publication

**EP 1306836 A1 20030502 (EN)**

Application

**EP 02257273 A 20021018**

Priority

US 2911201 A 20011019

Abstract (en)

A storage system (10), including a transport assembly (18) for moving a plurality of cartridges (26) between a storage rack (12) and a tape drive (14) includes a guide (32), a transport mover (30), a transporter (28) and a cartridge mover (34). The guide (32) extends between the storage rack (12) and the tape drive (14). The transport mover (30) moves the transporter (26) along the guide (32) between the storage rack (12) and to tape drive (14). The transporter (28) selectively receives the cartridges (26) and includes a first transport receiver (36A) and a second transport receiver (36B) that can each receive and transport one of the cartridges (26). With this design, while one cartridge (26) is being used by the tape drive (14) the transport assembly (18) can retrieve another cartridge (26) from the storage rack (12) for immediate insertion into the tape drive (14) upon rewinding of the first cartridge (26). As a consequence, the transport assembly (18) facilitates an increase in throughput of the storage system (10). <IMAGE>

IPC 1-7

**G11B 15/68**; **G11B 17/22**

IPC 8 full level

**G11B 15/68** (2006.01); **G11B 17/22** (2006.01)

CPC (source: EP US)

**G11B 15/6835** (2013.01 - EP US); **G11B 17/225** (2013.01 - EP US)

Citation (search report)

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Citation (examination)

US 5293284 A 19940308 - SATO KEIJI [JP], et al

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EP1519371A3; EP1519371A2; US7387485B2

Designated contracting state (EPC)

DE GB

DOCDB simple family (publication)

**EP 1306836 A1 20030502**; JP 2003178501 A 20030627; JP 4130349 B2 20080806; US 2003076619 A1 20030424; US 6900960 B2 20050531

DOCDB simple family (application)

**EP 02257273 A 20021018**; JP 2002304537 A 20021018; US 2911201 A 20011019